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**PN** - JP62291335 A 19871218

**TI** - AUTOMATIC EXCAVATION SYSTEM OF LOADING MACHINE

**AB** - PURPOSE: To prevent the slip of tire when vehicular speeds are improper by a method in which a set value for starting control on a working machine is automatically corrected according to vehicular speed values detected by a sensor during the penetrating and excavating work period. CONSTITUTION: An angle sensor 2 for a bucket 1, an angle sensor 4 for a boom 3, a sensor to detect the oil pressure of a boom cylinder 5, a sensor to detect oil pressure of a bucket cylinder 7, and a sensor 9 for vehicular speed are provided. In a microcomputer in which detected values by each sensor are inputted, the driving of oil-pressure circuit is controlled on the basis of the horizontal and vertical components Rh and Rv of excavating resistance applying to the bucket 1 during excavation by using the detected values, and the set value is corrected according to vehicular speed V detected during the penetrating and traveling work period. The occurrence of slip of tire can thus be prevented, thereby lengthening the life of the tire.

**FI** - E02F3/43&P; E02F9/22&H

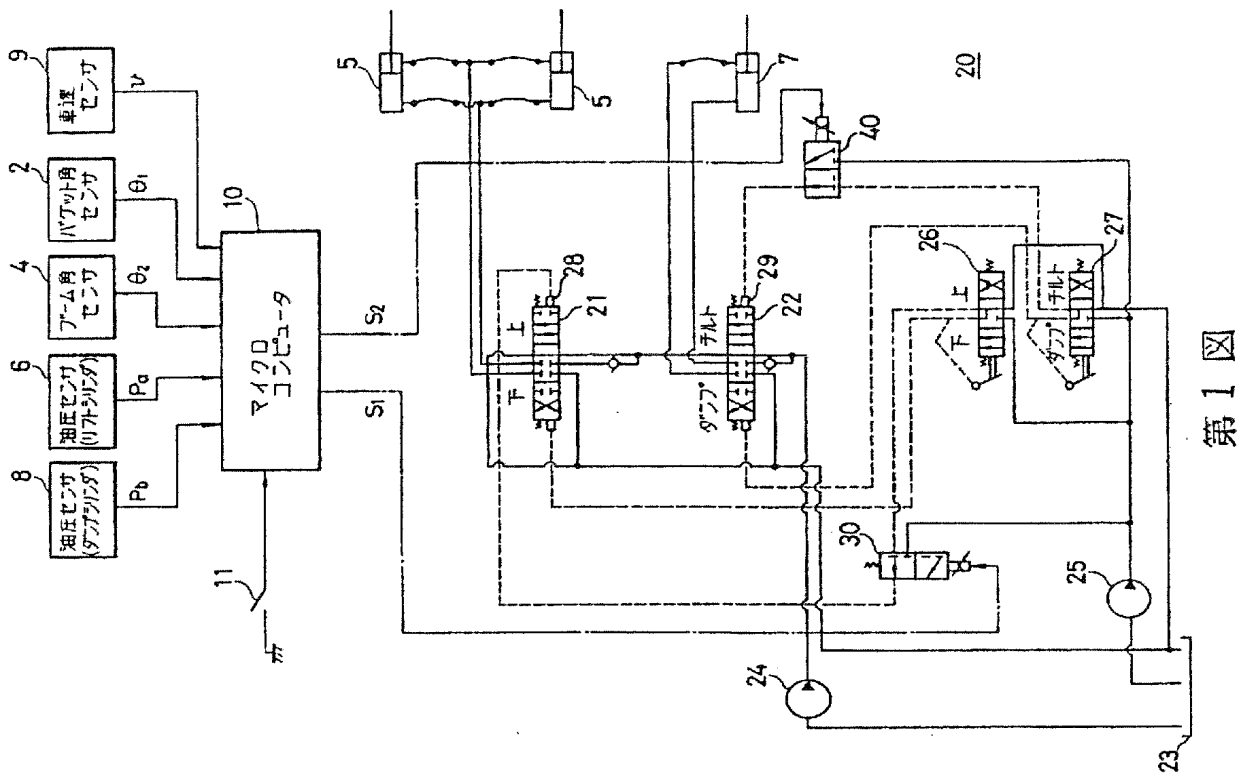
**PA** - KOMATSU MFG CO LTD

**IN** - TAKASUGI SHINJI; HANAMOTO TADAYUKI

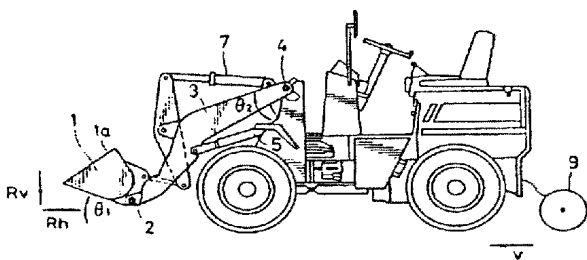
**AP** - JP19860134583 19860610

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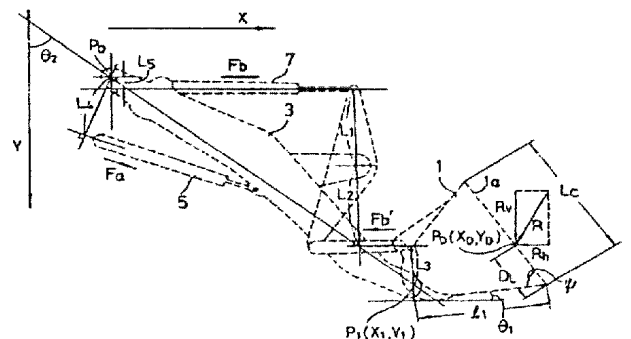
**DT** - I



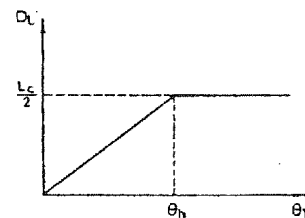
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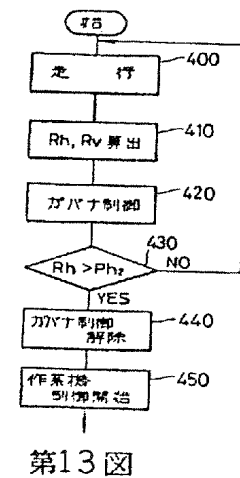
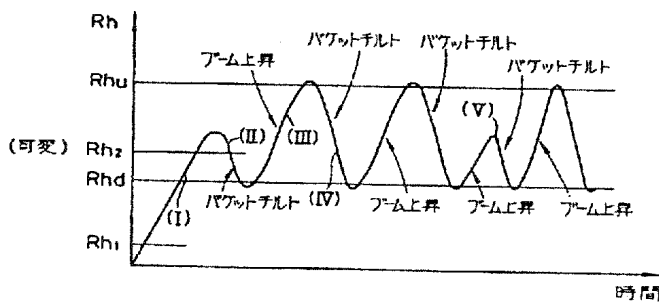
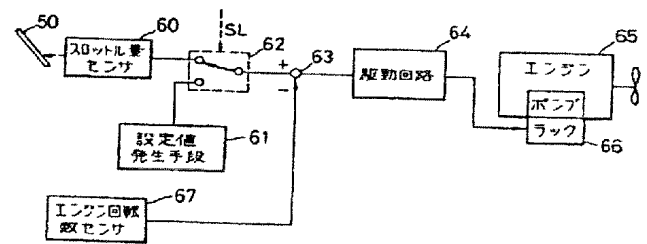
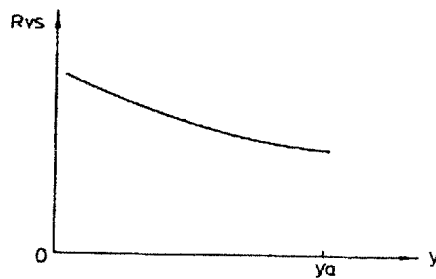
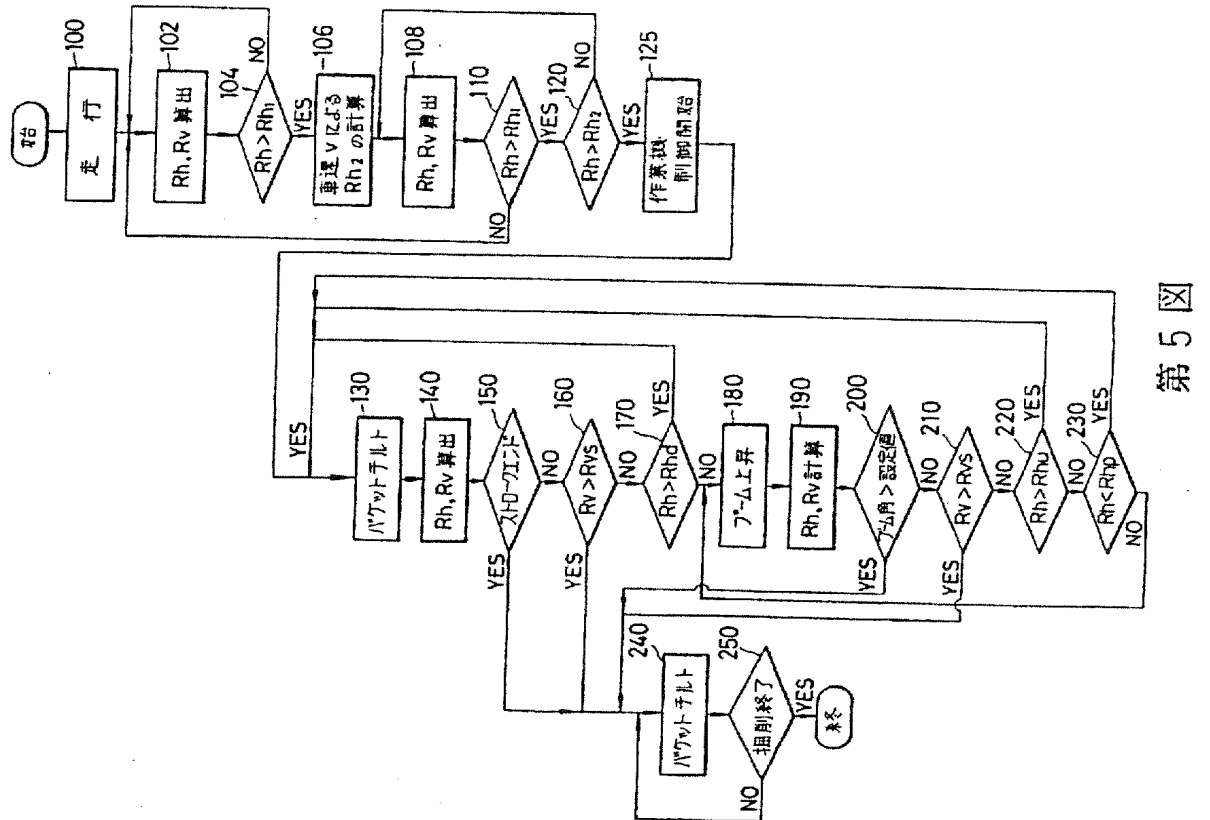
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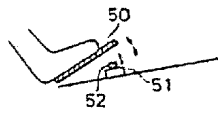


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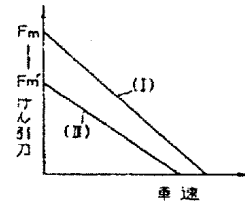


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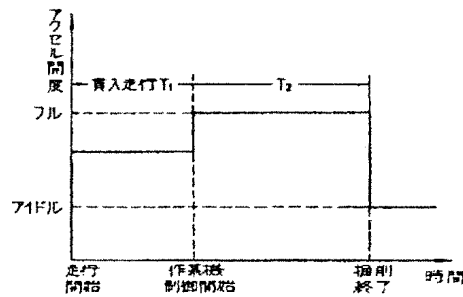




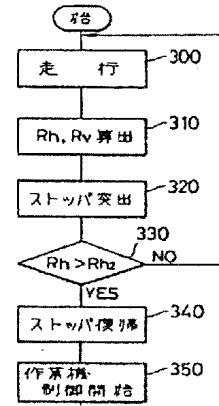
第8図



第9図



第10図



第11図